

STILLAGUAMISH – DEER CREEK SUMMER STEELHEAD

STOCK STATUS

1992 STATUS

Critical

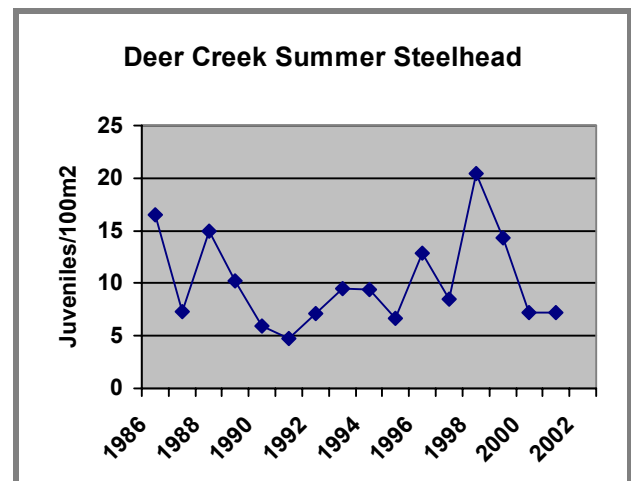
2002 STATUS

Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	JUVENILES/100M ²
1986	16.5
1987	7.3
1988	15
1989	10.2
1990	5.9
1991	4.7
1992	7.1
1993	9.5
1994	9.4
1995	6.7
1996	12.9
1997	8.5
1998	20.4
1999	14.3
2000	7.2
2001	7.2
2002	No data
2003	No data



Data are estimates of the number of 1-year old juveniles from six index areas in Deer Creek.

The stock is rated **Depressed** in 2002 due to **chronically low** juvenile densities. Status has been upgraded from critical to depressed based on sporadic aerial counts of adults. From 1996 to 2001, numbers of adults ranged from 500 to 1,000 (Curt Kraemer, WDFW, personal communication). Improved status may reflect improved overwintering habitat and increased parr-to-smolt survival following flooding in 1995 that cleaned some sediment from the streambed (Curt Kraemer, WDFW, personal communication).

STOCK DEFINITION

Deer Creek summer steelhead were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Most spawning takes place in the upper Deer Creek drainage.

SPAWNING TIMING: Spawning generally occurs from early April to early June.

GENETIC ANALYSIS: Allozyme analysis of Deer Creek summer steelhead sampled in 1993, 1994 and 1995 clustered them with Nooksack winter steelhead, Finney Creek (Skagit basin) summer steelhead,

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Cascade steelhead and with winter steelhead in the Skokomish, Dosewallips and Dungeness rivers (Phelps et al. 1997).

STOCK ORIGIN

This is a **native** stock with **wild** production.